

8 Watt, SH08 Series, DC-DC Converter (Single & Dual Output)

ALL PSU LTD
Electronic Power Solutions

- Ultra Wide 4:1 Input Range
- 7.26 to 8 Watts Depending On Model
- 1600V Isolation
- 24 Pin Dual-in-Line Style
- Encapsulated Metal Case
- Competitive Prices
- High Efficiency up to 85%
- -25 to +100 °C Operational Temperature Range



Specification (typical values shown)

Input Ranges.....	9~36 Volts and 18~75 Volts
Outputs.....	Single or dual outputs available (see table below)
Line Regulation.....	+/-0.5%
Load Regulation.....	+/-1%
Output Ripple.....	50mV max (p-p),
Output Noise.....	100mV max (p-p) single outputs, <0.5% Dual Outputs
Efficiency.....	See table for each model
Short Circuit Protection.....	Current limit, auto-recovery
Isolation Voltage.....	1600 VDC
Operating Temperature.....	-25 to +60 °C @ full load, Derates to 100°C
Storage Temperature.....	-55 to +105 °C
Case Material.....	6 sided shielded Nickel-Copper, non conductive base
Switching Frequency.....	300 kHz typical
MTBF.....	>800,000 hrs @ 25°C (MIL-HDBK-217F)
Warranty.....	2 Years

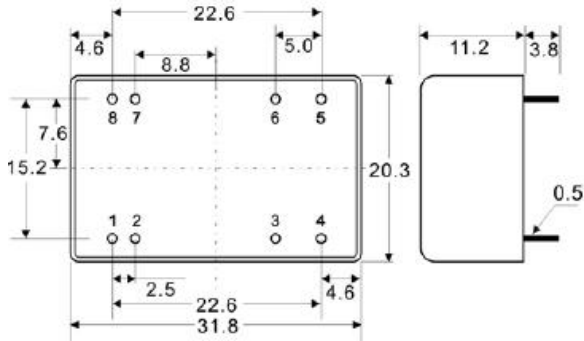
Models and Ratings

Model (9~36V input)	Model (18-75V input)	Output (VDC)	Output Current	Efficiency
Single Output Models				
SH08-24F-3.3S	SH08-48F-3.3S	3.3 V	2.2 A	82%
SH08-24F-5S	SH08-48F-5S	5.0 V	1.6 A	84%
SH08-24F-12S	SH08-48F-12S	12 V	0.666 A	85%
SH08-24F-15S	SH08-48F-15S	15 V	0.533 A	85%
SH08-24F-24S	SH08-48F-24S	24 V	0.333 A	85%
Dual Output Models				
SH08-24F-5D	SH08-48F-5D	+/-5 V	+/-0.8 A	82%
SH08-24F-12D	SH08-48F-12D	+/-12 V	+/-0.333 A	84% / 85%
SH08-24F-15D	SH08-48F-15D	+/-15 V	+/-0.267 A	84%

For mechanical data and pinout, please see next page

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**Mechanical Details and Pin-Out
Top View**



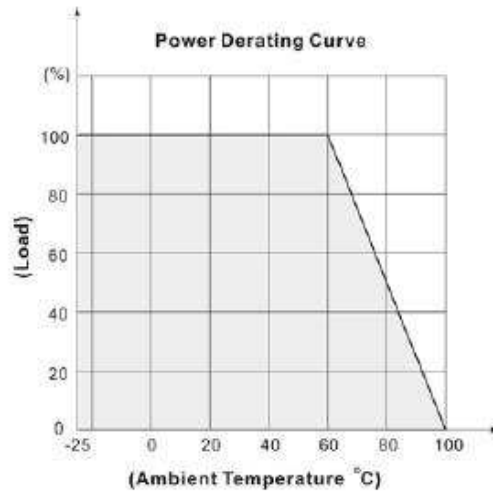
Tolerance ± 0.5 mm

Pin	Function	
	Single O/P	Dual O/P
1	-V in	-V in
2	-V in	-V in
3	No Pin	Common
4	N/C	-V out
5	+V out	+V out
6	-V out	Common
7	+V in	+V in
8	+V in	+V in

N/C = Pin with no connection

Derating Curve

DERATING



Specifications may change without notice, E&OE. ALL PSU Terms & Conditions apply.

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